denaturing a target polypeptide which aggregates,
mixing the target polypeptide with said antiaggregation molecule to form a mixture,

incubating the mixture under conditions allowing for aggregation.

selecting non-aggregated mixtures, and

testing the nonaggregated target polypeptide coupled
to the anti-aggregation molecule for bioactivity thereby
selecting an anti-aggregation molecule with the chaperone-like
activity of anti-aggregation which when coupled to the target
polypeptide maintains bioactivity.

- 2. The method of claim 1 further characterized by the target polypeptide being  $\beta\text{-amyloid}.$
- 3. A method of selecting an anti-aggregation molecule having the chaperone-like activity of anti-aggregation, wherein the anti-aggregation molecule is selected from the group consisting of a monoclonal antibody, a genetically engineered antibody antigen binding fragment, and a single chain monoclonal antibody, and wherein said anti-aggregation molecule binds to a bioactive native target polypeptide epitope with a high binding constant, reverses aggregation and is non-inhibitory to the biological activity of the target polypeptide comprising the steps of:

preparing an aggregated target polypeptide,
mixing the target polypeptide with said antiaggregation molecule to form a mixture,

selecting mixtures with non-aggregated target polypeptides, and

testing the target polypeptide coupled to the antiaggregation molecule for bioactivity thereby identifying an anti-aggregation molecule with the chaperone-like activity of anti-aggregation which when coupled to the target polypeptide maintains bioactivity.

- 4. The method of claim 3 further characterized by the target polypeptide being  $\beta\text{-amyloid}.$
- 150. A pharmaceutical formulation, comprising a unit dose of:
- (A) an antibody or antigen binding fragment thereof, wherein:
- (i) said antibody and said fragment recognize an epitope within residues 1-28 of beta-amyloid, and
- (ii) said antibody and said fragment inhibit aggregation of beta-amyloid; and
  - (B) a pharmaceutically acceptable carrier.
- 151. The pharmaceutical formulation of claim 150, wherein said antibody is a monoclonal antibody.
- 152. The pharmaceutical formulation of claim 151, wherein said antibody is a human monoclonal antibody.
- 153. The pharmaceutical formulation of claim 151, wherein said antibody is a genetically-engineered monoclonal antibody.

- 154. The pharmaceutical formulation of claim 153, wherein said antibody is a single-chain antibody.
- 155. The pharmaceutical formulation of any one of claims 150-154, wherein said beta-amyloid is human beta-amyloid.
- 156. A pharmaceutical formulation, comprising a unit dose of:
- (A) an antibody or antigen binding fragment thereof, wherein:
- (i) said antibody is obtainable using residues

  1-28 of beta-amyloid as an immunogen, and
- (ii) said antibody and said fragment inhibit aggregation of beta-amyloid; and
  - (B) a pharmaceutically acceptable carrier.
- 157. The pharmaceutical formulation of claim 156, wherein said antibody is a monoclonal antibody.
- 158. The pharmaceutical formulation of claim 157, wherein said antibody is a human monoclonal antibody.
- 159. The pharmaceutical formulation of claim 157, wherein said antibody is a genetically-engineered monoclonal antibody.
- 160. The pharmaceutical formulation of claim 159, wherein said antibody is a single-chain antibody.

- 161. The pharmaceutical formulation of any one of claims 156-160, wherein said beta-amyloid is human beta-amyloid.
- 162. A pharmaceutical formulation, comprising a unit dose of:
- (A) an antibody or antigen binding fragment thereof, wherein:
- (i) said antibody and said fragment recognize an epitope within residues 1-28 of beta-amyloid, and
- (ii) said antibody and said fragment maintain the solubility of soluble beta-amyloid; and
  - (B) a pharmaceutically acceptable carrier.
- 163. The pharmaceutical formulation of claim 162, wherein said antibody is a monoclonal antibody.
- 164. The pharmaceutical formulation of claim 163, wherein said antibody is a human monoclonal antibody.
- 165. The pharmaceutical formulation of claim 163, wherein said antibody is a genetically-engineered monoclonal antibody.
- 166. The pharmaceutical formulation of claim 165, wherein said antibody is a single-chain antibody.
- 167. The pharmaceutical formulation of any one of claims 162-166, wherein said beta-amyloid is human beta-amyloid.

- 168. A pharmaceutical formulation, comprising a unit dose of:
- (A) an antibody or antigen binding fragment thereof, wherein:
- (i) said antibody is obtainable using residues
  1-28 of beta-amyloid as an immunogen, and
- (ii) said antibody and said fragment maintain the solubility of soluble beta-amyloid; and
  - (B) a pharmaceutically acceptable carrier.
- 169. The pharmaceutical formulation of claim 168, wherein said antibody is a monoclonal antibody.
- 170. The pharmaceutical formulation of claim 169, wherein said antibody is a human monoclonal antibody.
- 171. The pharmaceutical formulation of claim 169, wherein said antibody is a genetically-engineered monoclonal antibody.
- 172. The pharmaceutical formulation of claim 171, wherein said antibody is a single-chain antibody.

Please insert new claims 173-209 as follows:

- 173. The pharmaceutical formulation of any one of claims 168-172, wherein said beta-amyloid is human beta-amyloid.
  - 174. A pharmaceutical formulation, comprising:

- (A) a monoclonal antibody or antigen binding
  fragment thereof, said monoclonal antibody being a human
  monoclonal antibody or a genetically engineered monoclonal
  antibody, wherein:
- (1) said antibody and said fragment recognize an epitope within residues 1-28 of beta-amyloid, and
- (ii) said antibody and said fragment inhibit aggregation of beta-amyloid; and
  - (B) a pharmaceutically acceptable carrier.
- 175. The pharmaceutical formulation of claim 174, wherein said antibody is a human monoclonal antibody.
- 176. The pharmaceutical formulation of claim 174, wherein said antibody is a genetically-engineered monoclonal antibody.
- 177. The pharmaceutical formulation of claim 176, wherein said antibody is a single-chain antibody.
  - 178. A pharmaceutical formulation, comprising:
- (A) an antibody or antigen binding fragment thereof, wherein:
- (i) said antibody and said fragment recognize an epitope within residues 1-28 of human beta-amyloid, and
- (ii) said antibody and said fragment inhibit aggregation of human beta-amyloid; and
  - (B) a pharmaceutically acceptable carrier.

- 179. The pharmaceutical formulation of claim 178, wherein said antibody is a monoclonal antibody.
- 180. The pharmaceutical formulation of claim 179, wherein said antibody is a human monoclonal antibody.
- <u>181.</u> The pharmaceutical formulation of claim 179, wherein said antibody is a genetically-engineered monoclonal antibody.
- 182. The pharmaceutical formulation of claim 181, wherein said antibody is a single-chain antibody.
  - 183. A pharmaceutical formulation, comprising:
- (A) a monoclonal antibody or antigen binding fragment thereof, said monoclonal antibody being a human monoclonal antibody or a genetically engineered monoclonal antibody, wherein:
- (i) said antibody is obtainable using residues

  1-28 of beta-amyloid as an immunogen, and
- (ii) said antibody and said fragment inhibit aggregation of beta-amyloid; and
  - (B) a pharmaceutically acceptable carrier.
- 184. The pharmaceutical formulation of claim 183, wherein said antibody is a human monoclonal antibody.
- <u>185. The pharmaceutical formulation of claim 183,</u> wherein said antibody is a genetically-engineered monoclonal antibody.

- 186. The pharmaceutical formulation of claim 185, wherein said antibody is a single-chain antibody.
  - 187. A pharmaceutical formulation, comprising:
- (A) an antibody or antigen binding fragment thereof, wherein:
- (i) said antibody is obtainable using residues
  1-28 of human beta-amyloid as an immunogen, and
- (ii) said antibody and said fragment inhibit aggregation of human beta-amyloid; and
  - (B) a pharmaceutically acceptable carrier.
- 188. The pharmaceutical formulation of claim 187, wherein said antibody is a monoclonal antibody.
- 189. The pharmaceutical formulation of claim 188, wherein said antibody is a human monoclonal antibody.
- wherein said antibody is a genetically-engineered monoclonal antibody.
- 191. The pharmaceutical formulation of claim 190, wherein said antibody is a single-chain antibody.
  - 192. A pharmaceutical formulation, comprising:
- (A) a monoclonal antibody or antigen binding
  fragment thereof, said monoclonal antibody being a human
  monoclonal antibody or a genetically engineered monoclonal
  antibody, wherein:

- (i) said antibody and said fragment recognize an epitope within residues 1-28 of beta-amyloid, and
- (ii) said antibody and said fragment maintain the solubility of soluble beta-amyloid; and
  - (B) a pharmaceutically acceptable carrier.
- 193. The pharmaceutical formulation of claim 192, wherein said antibody is a human monoclonal antibody.
- 194. The pharmaceutical formulation of claim 192, wherein said antibody is a genetically-engineered monoclonal antibody.
- 195. The pharmaceutical formulation of claim 194, wherein said antibody is a single-chain antibody.
  - 196. A pharmaceutical formulation, comprising:
- (A) an antibody or antigen binding fragment thereof, wherein:
- (i) said antibody and said fragment recognize an epitope within residues 1-28 of human beta-amyloid, and
- (ii) said antibody and said fragment maintain
  the solubility of soluble human beta-amyloid; and

  (B) a pharmaceutically acceptable carrier.
- 197. The pharmaceutical formulation of claim 196, wherein said antibody is a monoclonal antibody.
- 198. The pharmaceutical formulation of claim 197, wherein said antibody is a human monoclonal antibody.

- 199. The pharmaceutical formulation of claim 197, wherein said antibody is a genetically-engineered monoclonal antibody.
- 200. The pharmaceutical formulation of claim 199, wherein said antibody is a single-chain antibody.
  - 201. A pharmaceutical formulation, comprising:
- (A) a monoclonal antibody or antigen binding fragment thereof, said monoclonal antibody being a human monoclonal antibody or a genetically engineered monoclonal antibody, wherein:
- (i) said antibody is obtainable using residues

  1-28 of beta-amyloid as an immunogen, and
- (ii) said antibody and said fragment maintain the solubility of soluble beta-amyloid; and
  - (B) a pharmaceutically acceptable carrier.
- 202. The pharmaceutical formulation of claim 201, wherein said antibody is a human monoclonal antibody.
- wherein said antibody is a genetically-engineered monoclonal antibody.
- wherein said antibody is a single-chain antibody.
  - 205. A pharmaceutical formulation, comprising:

- (A) an antibody or antigen binding fragment thereof, wherein:
- (i) said antibody is obtainable using residues

  1-28 of human beta-amyloid as an immunogen, and
- (ii) said antibody and said fragment maintain
  the solubility of soluble human beta-amyloid; and

  (B) a pharmaceutically acceptable carrier.
- 206. The pharmaceutical formulation of claim 205, wherein said antibody is a monoclonal antibody.
- 207. The pharmaceutical formulation of claim 206, wherein said antibody is a human monoclonal antibody.
- 208. The pharmaceutical formulation of claim 206, wherein said antibody is a genetically-engineered monoclonal antibody.
- 209. The pharmaceutical formulation of claim 208, wherein said antibody is a single-chain antibody.